

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A system for machining objects using a laser beam, comprising:

a supply of objects with prepositioning on their reference surface;

an object support tray;

a galvanometric head comprising:

 a first wide field camera with a focusing lens, with a first filter located at an output from the first camera,

 a second narrow field camera with a focusing lens, with a second filter located at an output from the second camera,

 a guide mirror,

 galvanometric deflection mirrors, and

 a lens that displays at least one object located on the tray;

a laser source; and

a computer on which a shape recognition software is installed for checking operation of the first camera, the second camera, the laser source, and movement control means for the galvanometric head.

Claim 12 (New): A system according to claim 11, comprising first and second reflecting galvanometric mirrors.

Claim 13 (New): A system according to claim 11, comprising a retractable mirror.

Claim 14 (New): A system according to claim 11, comprising a flat field lens.

Claim 15 (New): A system according to claim 11, comprising a belt carrying objects to be machined on their reference surface, preceded by a pre-positioning supply for parts.

Claim 16 (New): A system according to claim 13, comprising a reactive gas source close to the tray.

Claim 17 (New): A system according to claim 11, wherein the filter at the output from the first camera allows a wavelength of about 600 nm to pass.

Claim 18 (New): A system according to claim 11, wherein the laser source is a source with a wavelength of about 1064 nm, the filter at the output from the second camera allowing such a wavelength to pass.

Claim 19 (New): A system according to claim 11, wherein machining corresponds to marking, welding, drilling, cutting, or heat treatment.

Claim 20 (New): A method for machining objects using a laser including an object support tray, a galvanometric head, a laser source, and a computer, the method comprising:
depositing objects, positioned on their reference face, on the tray;
displaying all the objects in wide field, with identification of each object with its position and its orientation;

displaying an area to be machined in narrow field with high resolution, on one of the objects; and

machining the object using a beam output from the laser source.